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(57) Abstract: A probe for application to a body part, such as a finger or toe, of a patient to detect a change in the physiological condition of the patient includes: a housing having at least three contiguous but separate sections, namely: a distal end section at its distal tip, a proximal end section at its opposite end, and at least one middle section between the end sections. A pressure field is applied to the portion of the body part received within at least the distal end section and the middle section of the housing; and a sensor senses changes in the body part received within the middle section of the housing.